

Tomorrow's Diesel for Today's Construction Workshop

November 10, 2004

The workshop participants divided into 5 workgroups to talk about strategies to reduce diesel emissions from the construction industry. Each group chose their top three ideas. The audience grouped all of the ideas into 6 categories:

- [Fiscal Incentives](#)
- [Regulation](#)
- [Education and Outreach](#)
- [Multi-State Agreements](#)
- [Equipment Incentives](#)
- [Obstacles](#)

Fiscal Incentives

1. Sales Tax or Business and Operation Tax Dedication
2. Funding
 - Tax Incentives
 - EPA Grants
 - State/Local Grants
3. Tax Credit to Lower Emissions
 - a. Next Steps
 1. Figure out process and obstacles
4. Big Money Fund for Retrofit
5. Incentives
 - Work with rental companies
 - Insurance breaks
 - Flexible specifications to meet goals
 - Recognition

- Compete with Oregon tax incentive
- Private sector grants to private business
- a. Next Steps
 1. Set goal and establish incentives to meet goal
 2. Figure out rental sector contribution to emissions pie and work with them
 3. Talk with manufactures for purchase of discounted equipment
- 6. Seek medical insurance rebates (that is, low insurance rates for clean equipment)
- 7. Improve Availability of Clean Fuels
 - Bio-diesel
 - Ultra-low sulfur
- a. Next Steps
 1. Develop means to get vendors interested in being distributors
- b. Obstacles
 1. Cost (initial start-up)
 2. NOx emissions
- 8. Eliminate road tax for highway fuel used in non-road equipment

Regulation

1. Regulation with Flexibility
 - a. Next Steps
 1. Figure out process and obstacles
2. Phase-in for all strategies
3. Emissions Testing and Maintenance: Non-road I/M-like training and education
 - a. Next Steps
 1. Look at different states – find out why being phased out
 2. Volunteer. program working with on road fleets
 3. Something different than waiver for \$150
 4. If everyone has to participate in I/M, costs passed to everyone

5. Contact OTAQ to see if doing something
6. Tampering
4. Continue/Expand Anti-Idling Programs (Items in both Regulation and Education and Outreach Categories)
 - Truck Stop Electrification
 - Ports
 - a. Next Steps
 1. Find a regulatory body or “watchdog”
 2. Develop systems for tracking numbers of hours idled for trucking and heavy equipment industries – emphasize cost savings
 - b. Obstacles
 1. Driver Education
 2. Availability of electric power
 3. Engine temperature problems
5. Policies/Education (Item in both Regulation and Education and Outreach Categories)
 - Anti-Idling
 - Ultra Low Sulfur Diesel
6. Public Fleets (Item in both Regulation and Education and Outreach Categories)
 - Accelerate turnover
 - Retrofits
 - State contracts with riders
 - a. Next Steps
 2. Include new technology on contract specifications
 3. Leverage buying power to public sector
 4. Consider state conformity cap.
7. If a program is going to be mandated by either state or federal government, appropriate funding should accompany the mandate.

Education and Outreach

1. Technical Assistance to Contractor
2. Combine Retrofitting with Preventative Maintenance Programs
 - a. Next Steps
 1. Look at funding to develop training and retrofitting programs
 2. Use existing participants
 3. Develop ways that are more efficient to get the word out when retrofit funding is available.
 - b. Obstacles
 1. Cost
 2. Good matches to existing equipment
3. Continue/Expand Anti-Idling Programs (Items in both Regulation and Education and Outreach Categories)
 - Truck Stop Electrification
 - Ports
 - a. Next Steps
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 2. Develop systems for tracking numbers of hours idled for trucking and heavy equipment industries – emphasize cost savings
 - b. Obstacles
 1. Driver Education
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4. Policies/Education (Item in both Regulation and Education and Outreach Categories)
 - Anti-Idling
 - Ultra Low Sulfur Diesel
5. Public Fleets (Item in both Regulation and Education and Outreach Categories)
 - Accelerate turnover

- Retrofits
- State contracts with riders

Multi-State Agreements

1. West Coast Collaborative Emission Standard
 - a. Next Steps
 1. Figure out process and obstacles

Equipment Incentives

1. Get Manufacturers to offer optional emission reduction packages
 - a. Next Steps
 1. Incentives or regulations for manufacturers
 2. Get EPA to start a dialogue with manufacturers
 - b. Obstacles
 1. Cost
 2. Difficulties for manufactures (low volume, fitting, problems, etc.)
 3. Would have to be nation-wide

Obstacles/Concerns

- Obsolescence of equipment
- Inconsistent standards
- Not high priority
- Awareness of issue
- When and what is enough?